



DIALOG(R)File 351:Derwent WPI
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Hair-treating agent composition, contains fluorescent whitening dye and benzylalcohol, N-methyl-2-pyrrolidone and/or ethylene carbonate derivatives as penetration-promoting agent

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1 patents, 1 countries

Patent Family

Patent

Application

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JP 2001302473	A	20011031	JP 2000119908	A	20000420	200241 B

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Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001302473	A	JA	5	0	

Alerting Abstract JP A

NOVELTY - A hair-treating agent composition comprises a fluorescent whitening dye and at least one compound selected from benzylalcohol (I), N-methyl-2-pyrrolidone (II) and ethylene carbonate (III) derivatives as penetration-promoting solvent.

DESCRIPTION - A hair-treating agent composition comprises a fluorescent whitening dye and a benzylalcohol of formula (I), N-methyl-2-pyrrolidone of formula (II) and/or ethylene carbonate of formula (III) or their derivatives as penetration-promoting solvent.

<http://imagesrv.dialog.com/imanager/getimage?ref=I9921ab2063b211da99f600008361346f&f=351&type=PNG>

R1= H, methyl or methoxy;

R2= single bond, methylene or ethylene;

R3= H, methyl or ethyl;

a= 0-2;

R4= 1-18C, optionally branched alkyl;
and

R5= H, methyl or ethyl.

USE - The composition is optionally available and formed in liquid, gel, cream, emulsion, spray or foam form.

ADVANTAGE - The composition allows the fluorescent whitening dye to penetrate into hair efficiently and prevents bleeding of dyes from dyed hair, resulting in improved dyeing performance and fastness after shampooing.

Technology Focus

ORGANIC CHEMISTRY - Preferred Components: The fluorescent whitening dye is selected from distilbene, benzooxazole, naphthalimide, benzimidazole, pyrazoline and coumalin derivatives.

Compound (I) is preferably benzyl alcohol, 2-benzyloxyethanol, phenoxyethanol, phenoxy isopropanol and methylphenoxyethanol.

Compound (II) is N-methyl -2-pyrrolidone.

Compound (III) is preferably selected from ethylene and propylene carbonate.